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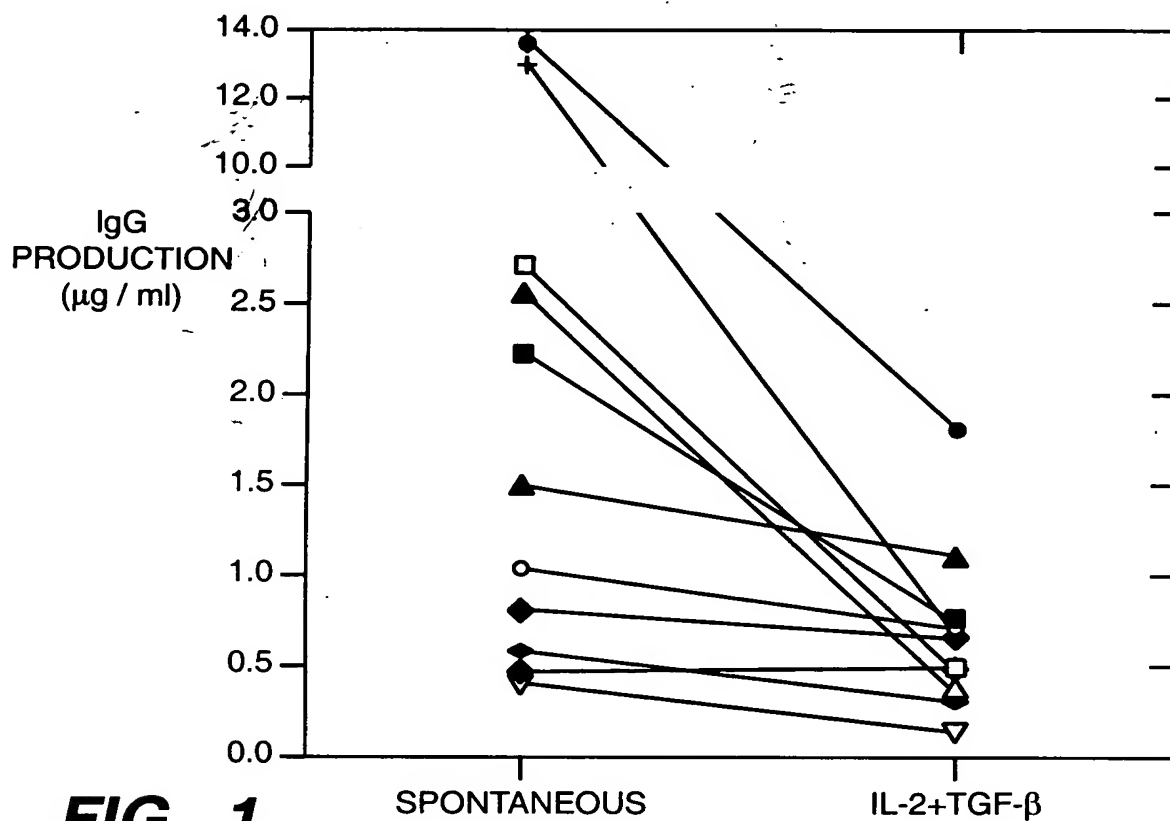


FIG._1

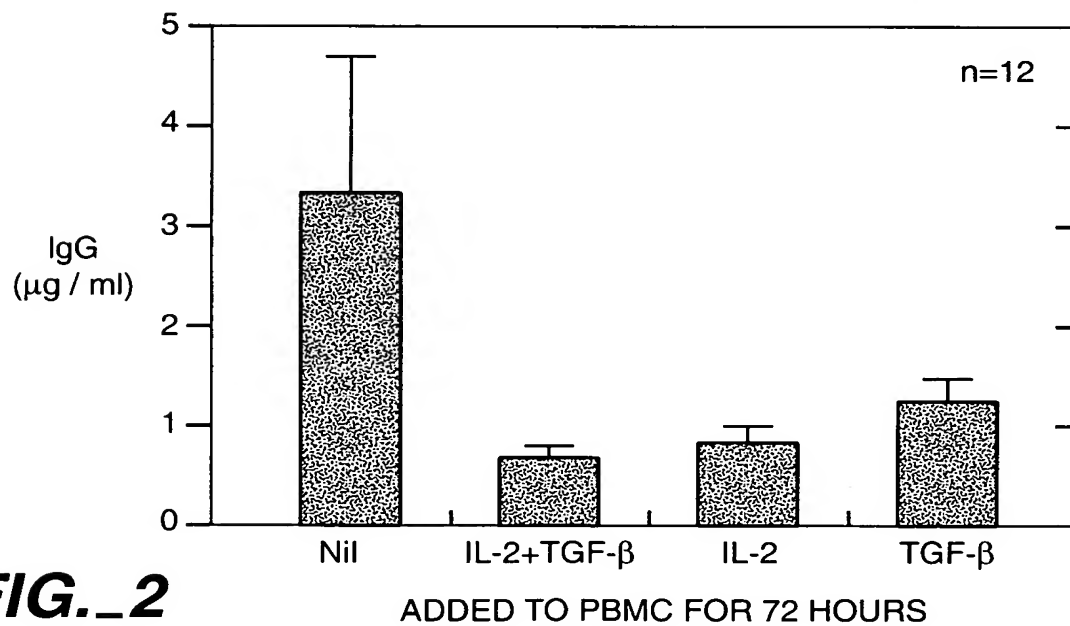
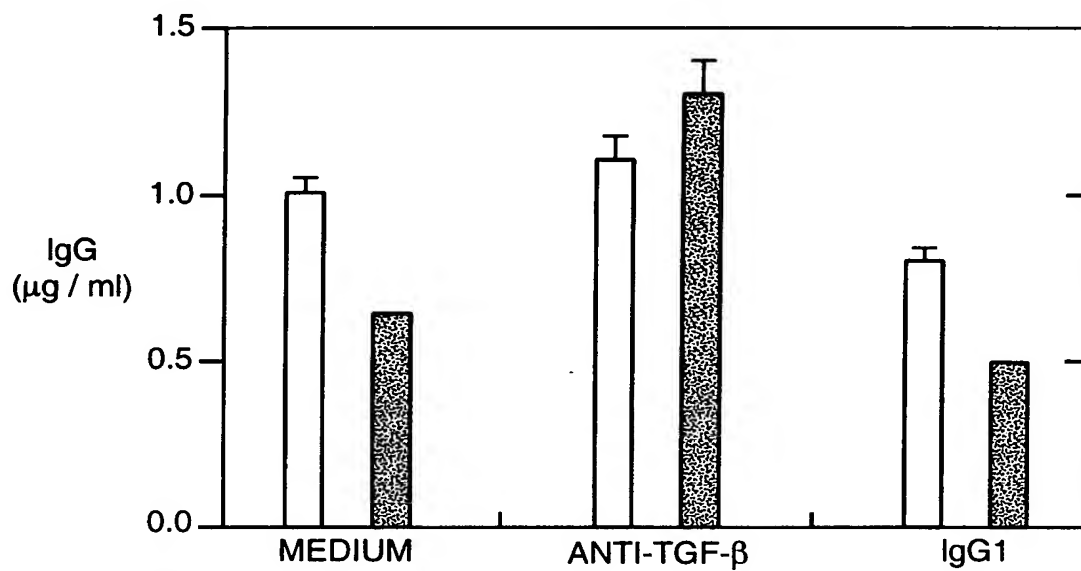
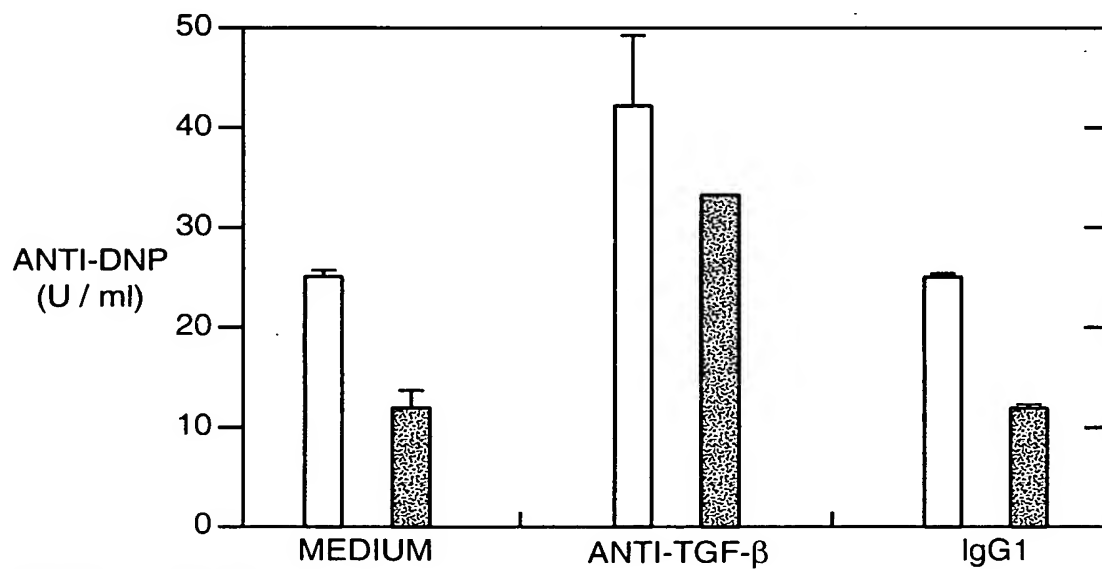


FIG._2

**FIG._3A****FIG._3B**



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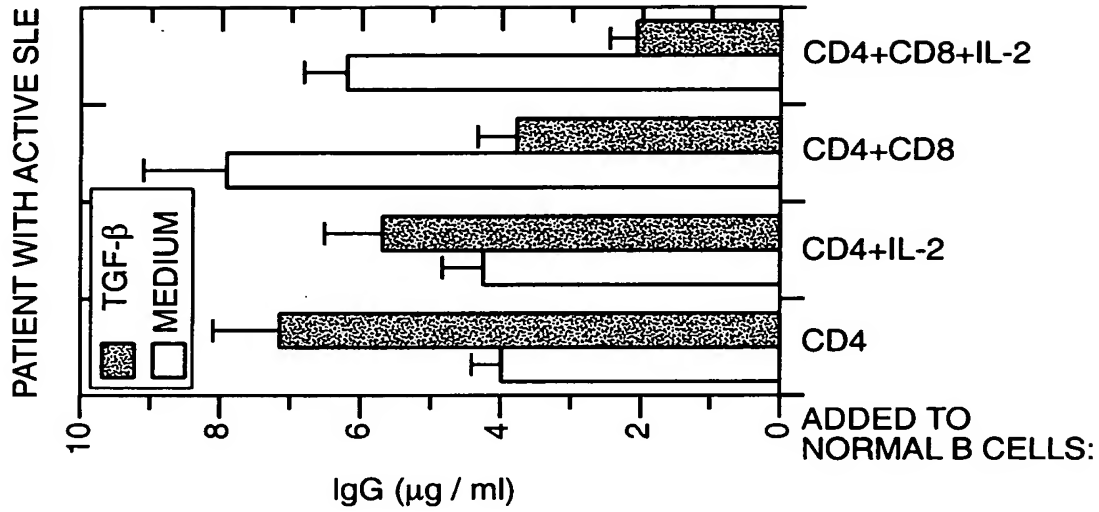


FIG._4C

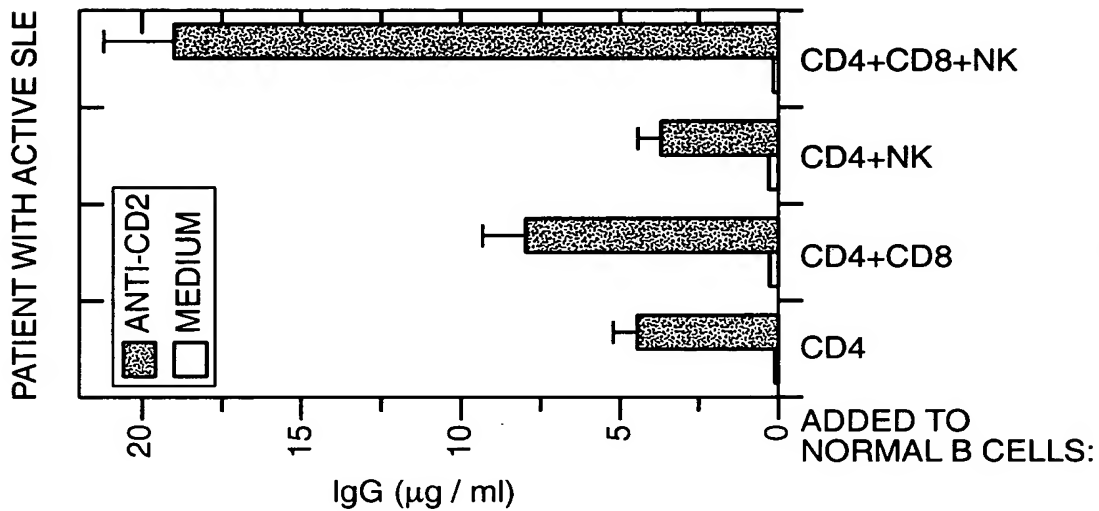


FIG._4B

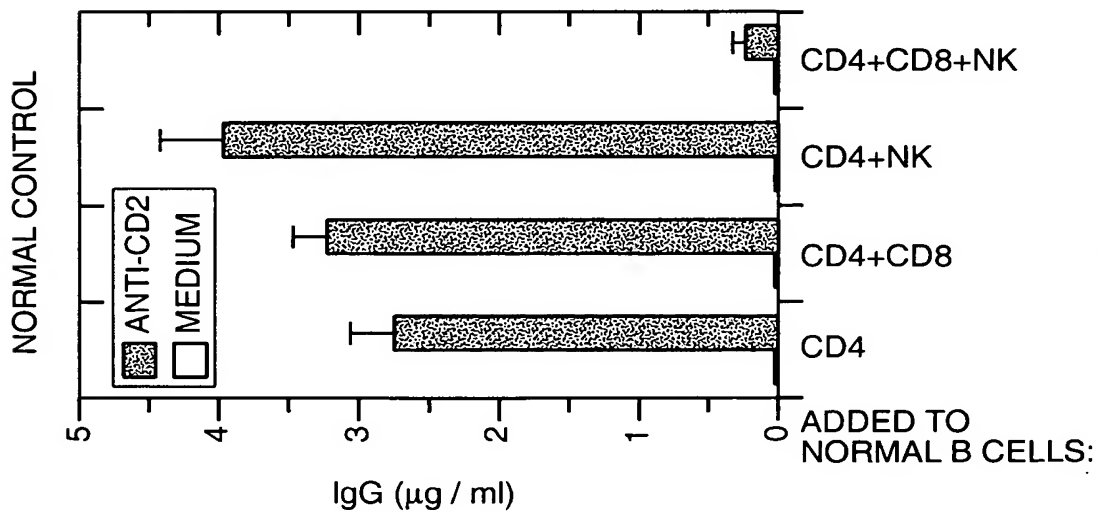
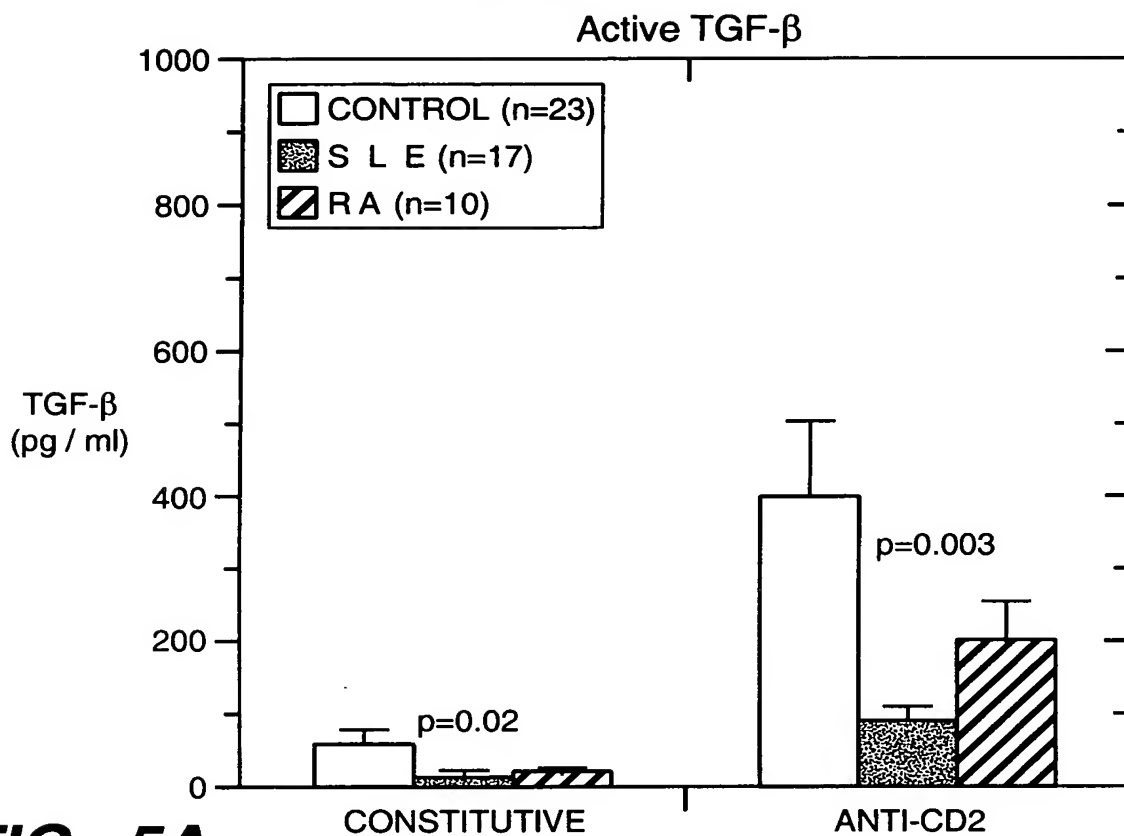
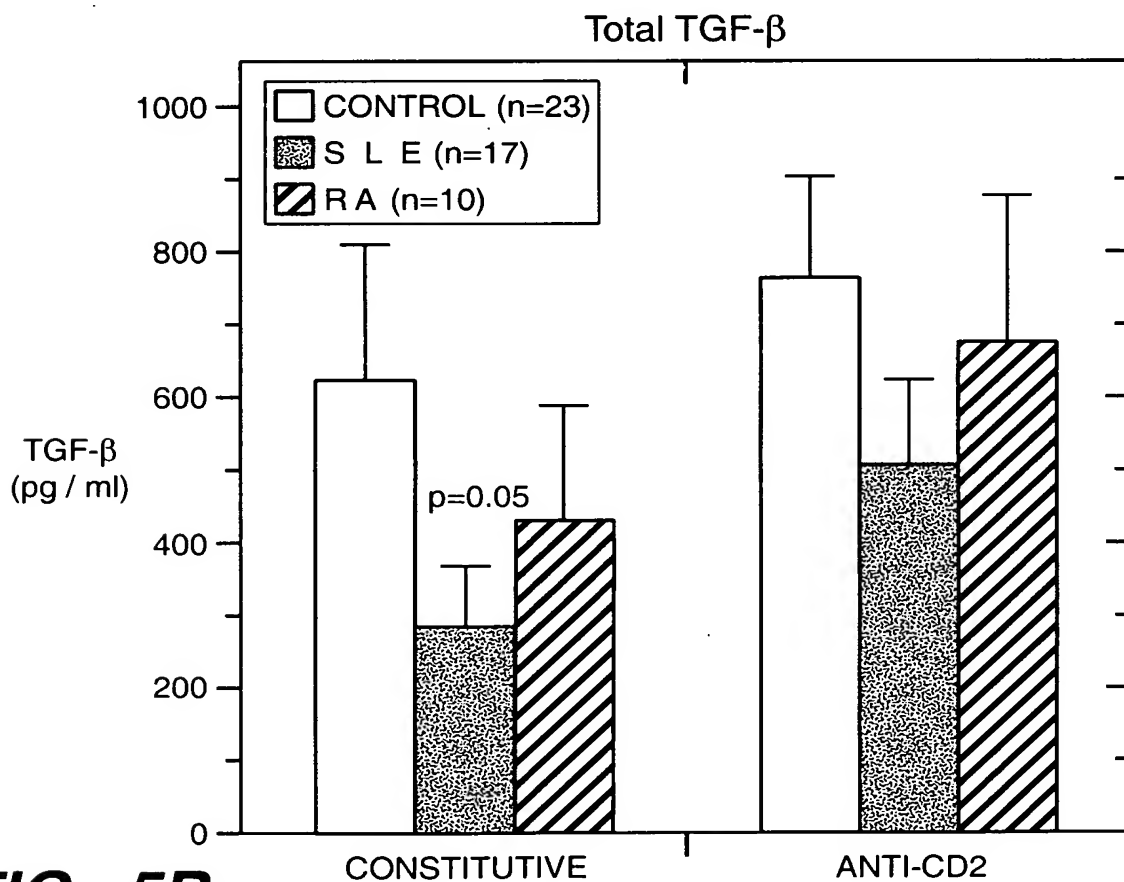


FIG._4A



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**FIG._5A****FIG._5B**

TGF- β has opposing effects on T cell production of TNF- α and IL-10

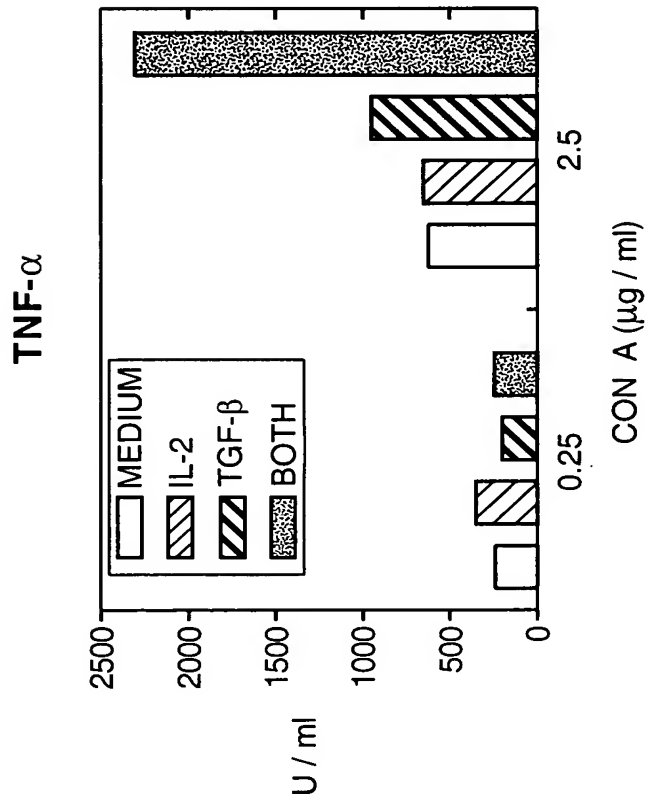


FIG. 6A

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TNF- α is an essential
intermediate for the generation
of regulatory T cells by TGF- β

TNF- α is an essential
intermediate for the generation
of regulatory T cells by TGF- β

Exp 1

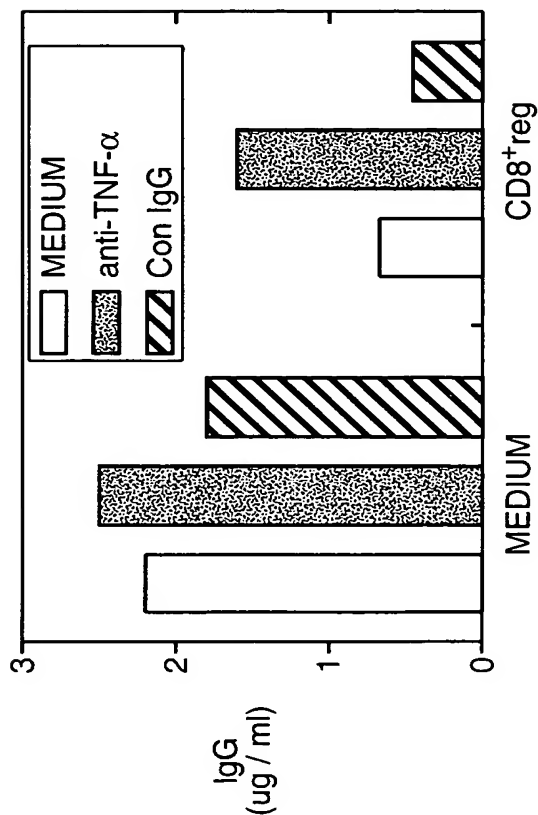


FIG. 7A

Exp 2

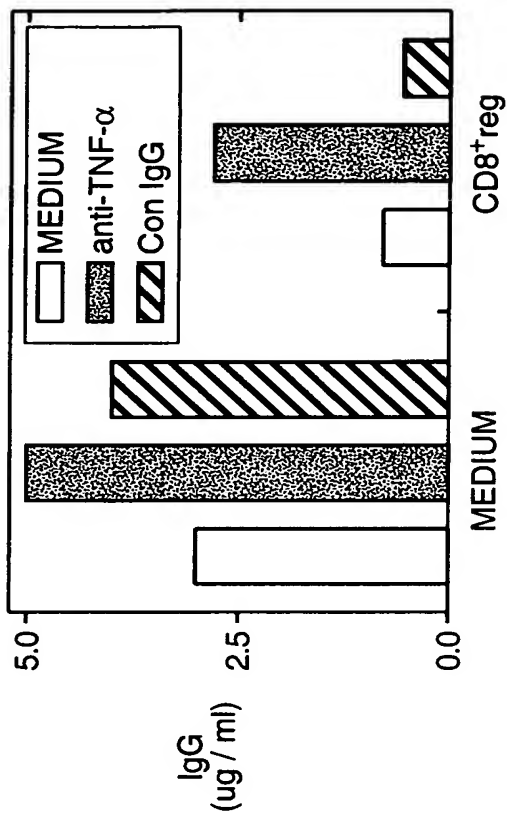


FIG. 7B



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Enhanced production of Th1
cytokines by TGF- β primed
T cells is dependent
upon TNF- α

Enhanced production of Th1
cytokines by TGF- β primed
T cells is dependent
upon TNF- α

Enhanced production of Th1
cytokines by TGF- β primed
T cells is dependent
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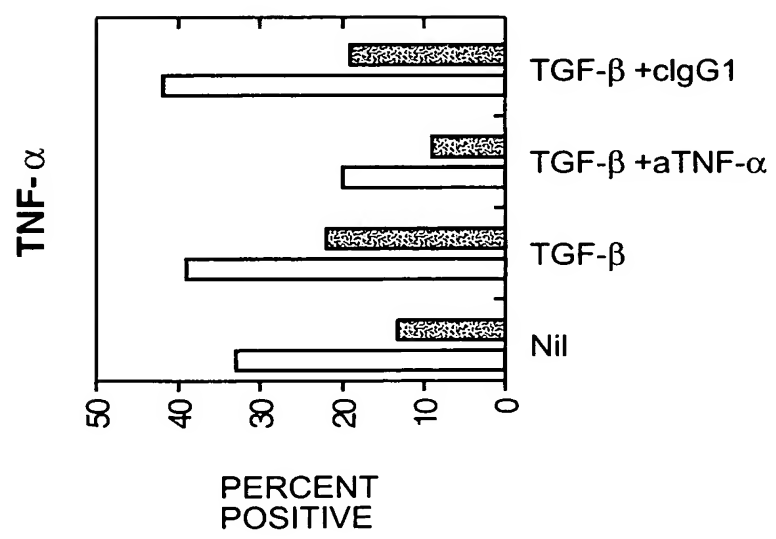
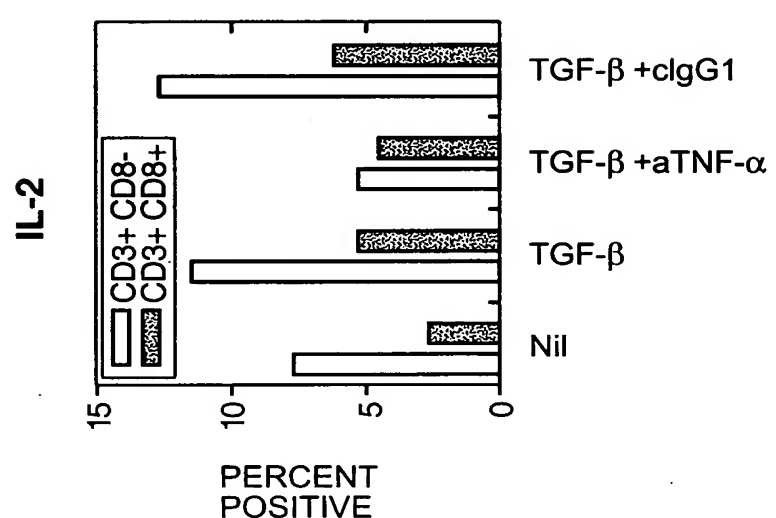
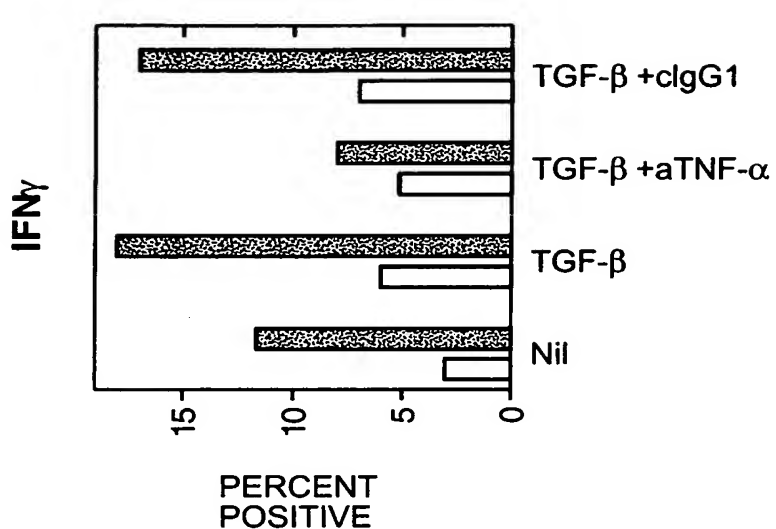


FIG.-8C

FIG.-8B

FIG.-8A

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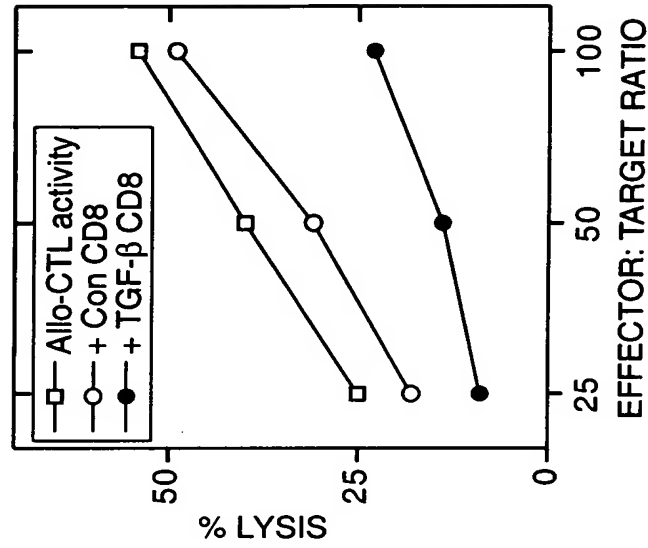
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Effect of TGF- β on various
T cell subsets in
the generation of
suppressors
of cytotoxic T cell activity

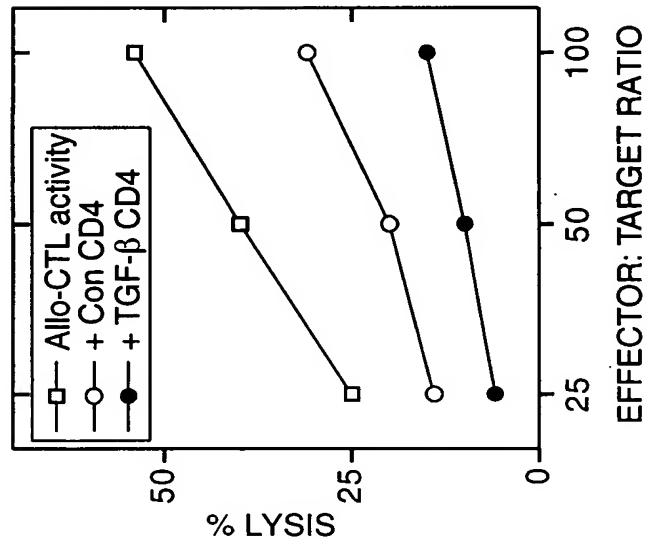
Effect of TGF- β on various
T cell subsets in
the generation of
suppressors
of cytotoxic T cell activity

Effect of TGF- β on various
T cell subsets in
the generation of
suppressors
of cytotoxic T cell activity

CD8 CD45RA



CD4 CD45RO



CD4 CD45RA

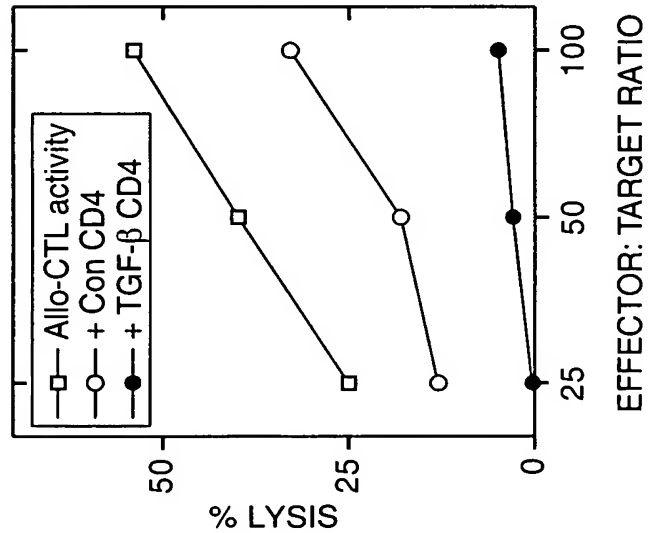


FIG._9C

FIG._9B

FIG._9A

+



Effect of CD4 cells primed
with TGF- β (CD4reg)
on Allo-CTL activity

Exp 2

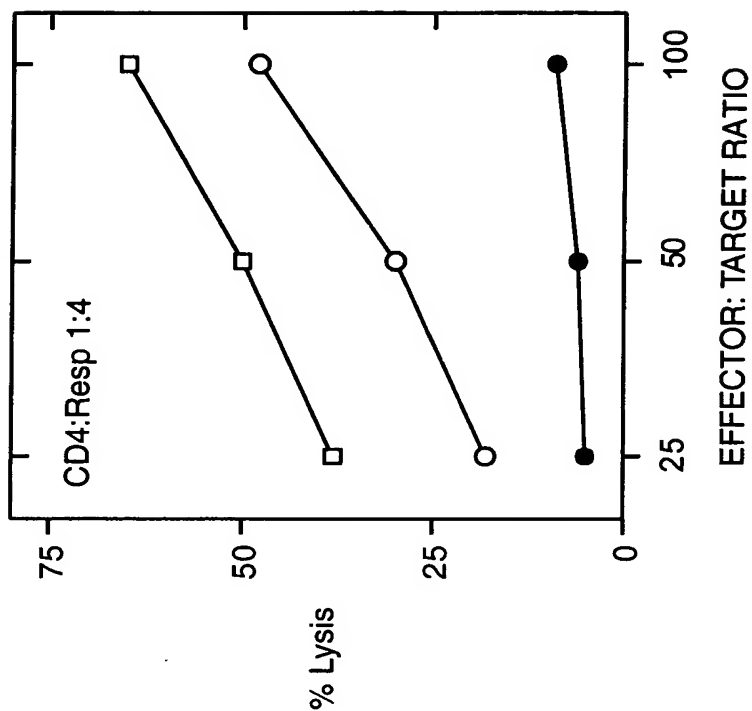


FIG.. 10B

Effect of CD4 cells primed
with TGF- β (CD4reg)
on Allo-CTL activity

Exp 1

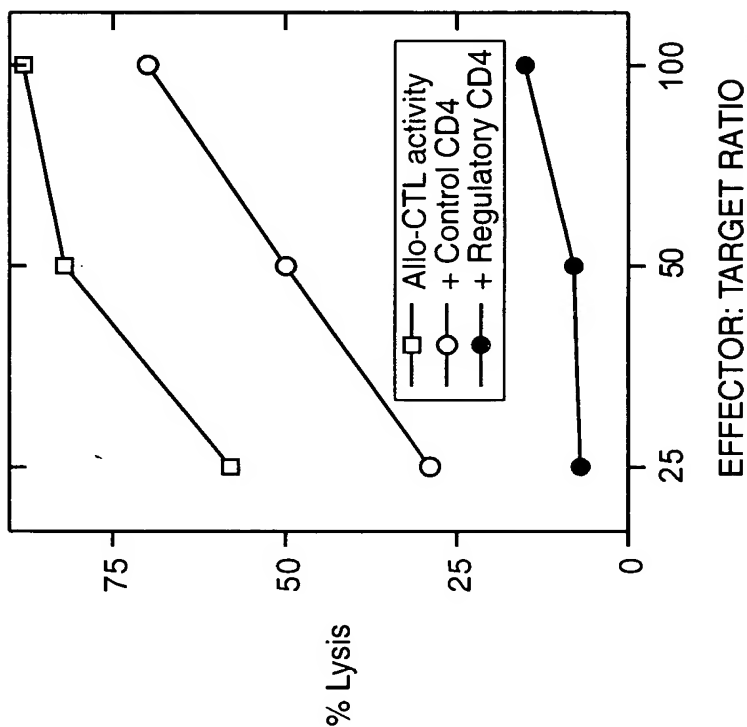


FIG.. 10A



CD4 regulatory T cells require
cell contact to inhibit
cytotoxic T lymphocyte activity

Separated from
Effector cells

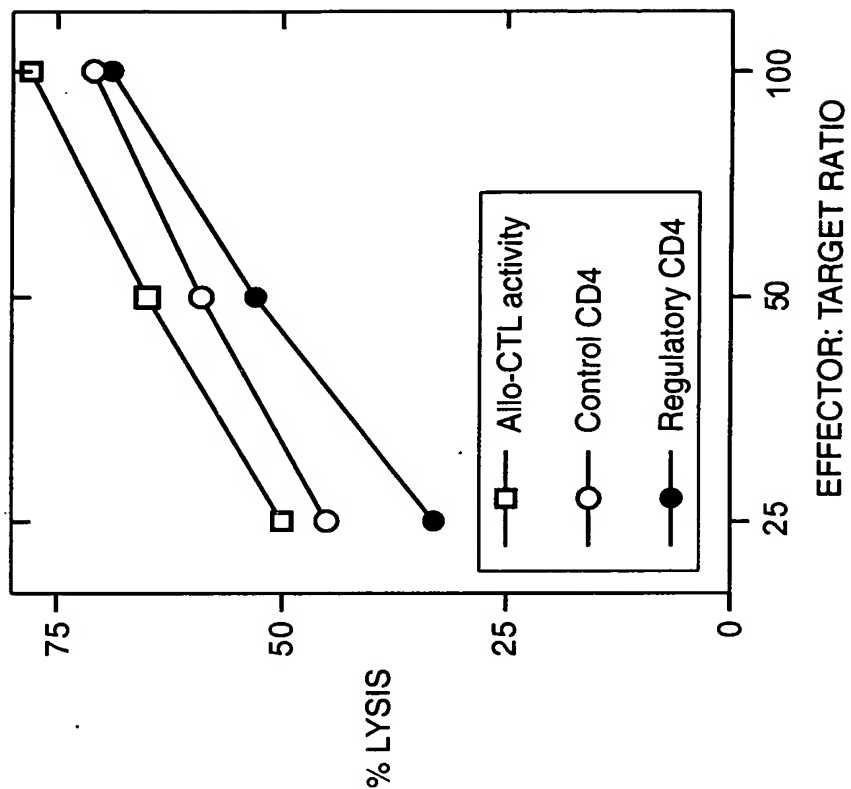


FIG.. 11B

CD4 regulatory T cells require
cell contact to inhibit
cytotoxic T lymphocyte activity

With Effector Cells

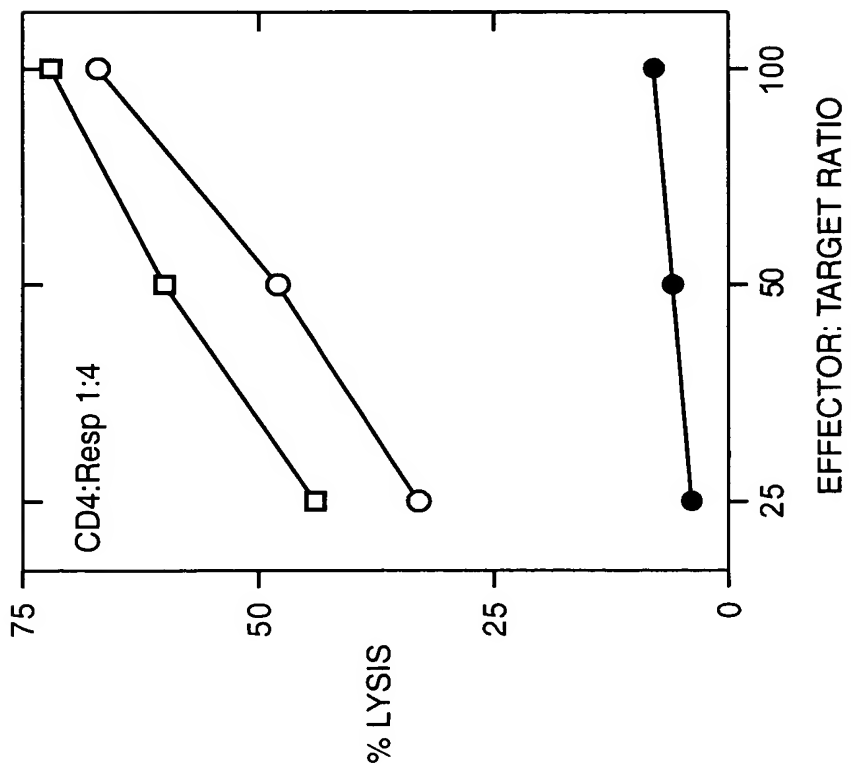
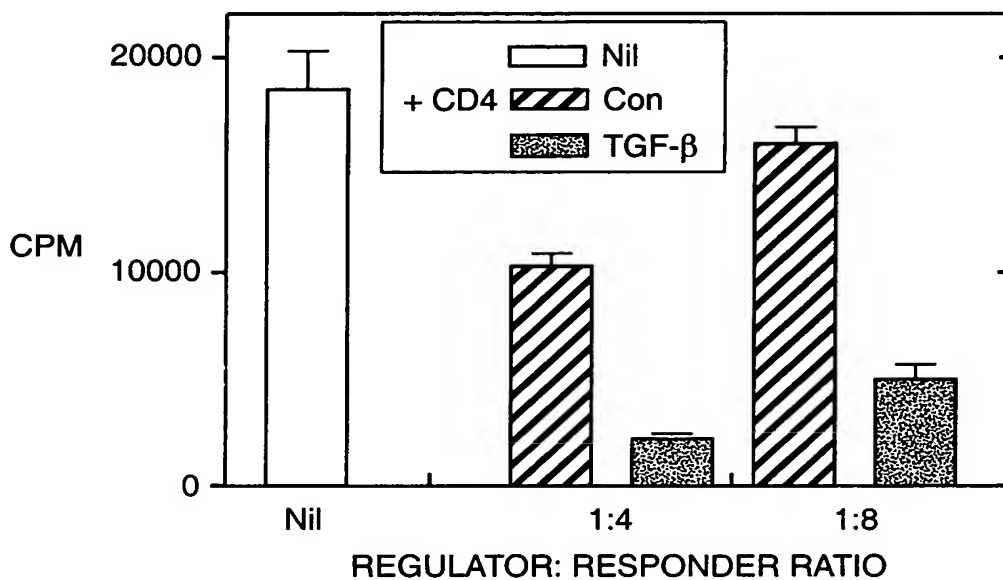
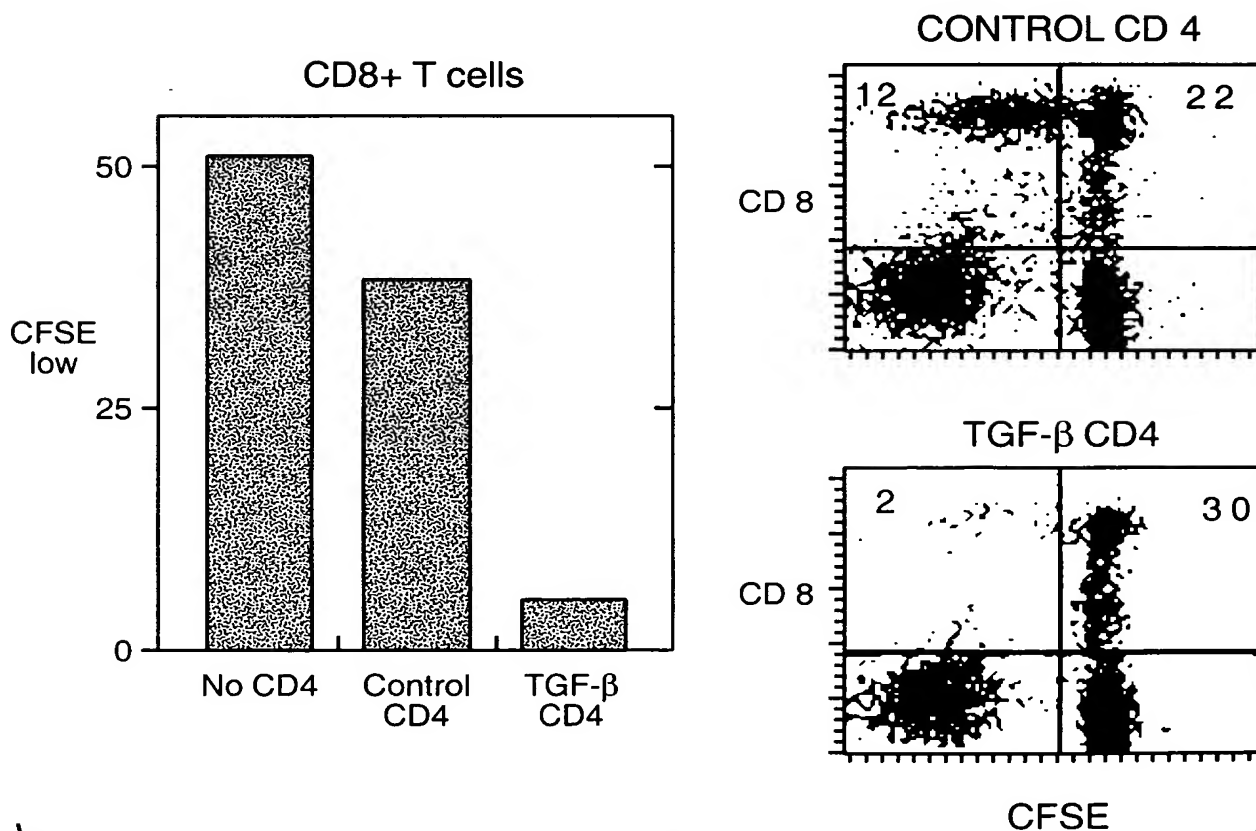


FIG.. 11A



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Suppression of lymphocyte proliferation by regulatory
CD4+ T cells induced with TGF- β **FIG._12****FIG._13**

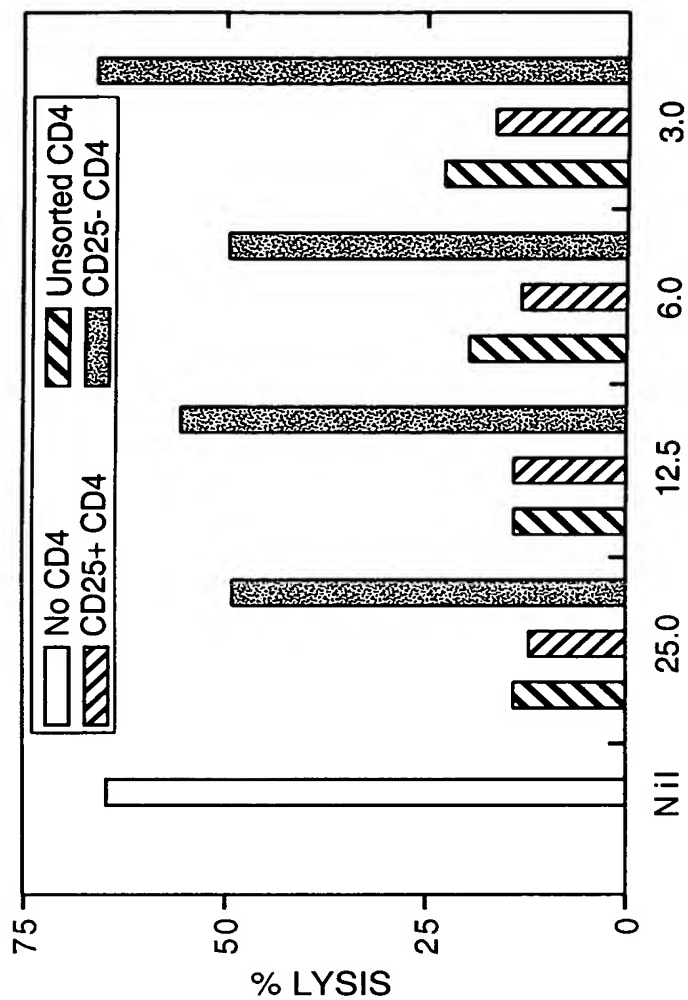


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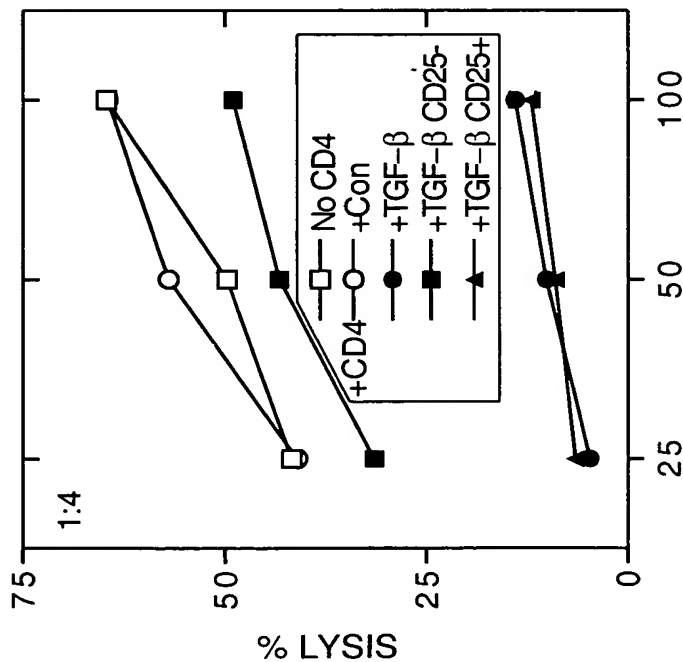
Regulatory CD4+ T cells are
CD25+ and are extremely
potent



PERCENT TGF- β TREATED CD4 CELLS ADDED TO
EFFECTORS AT 100:1 E:T RATIO

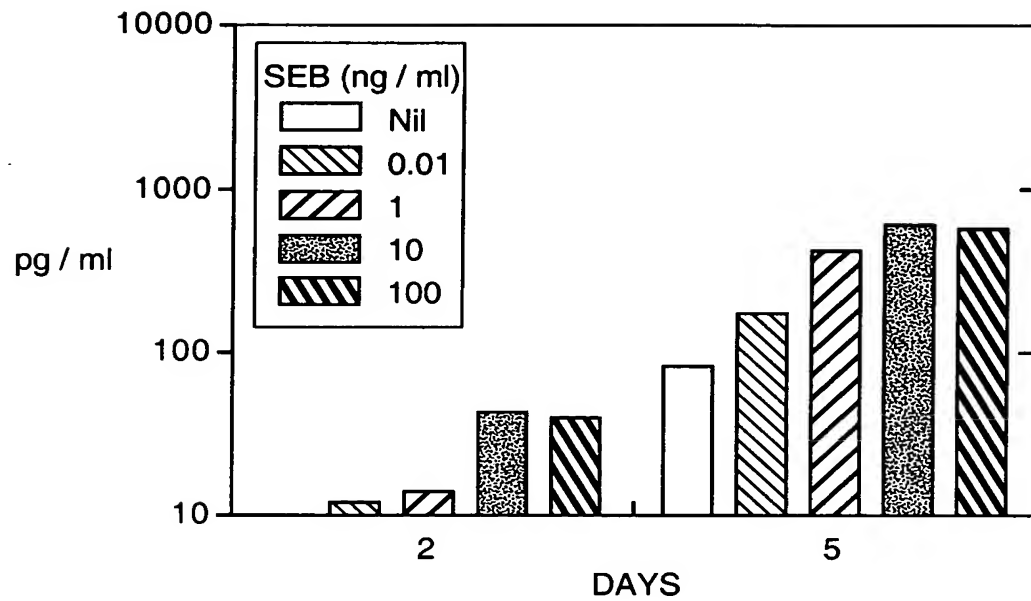
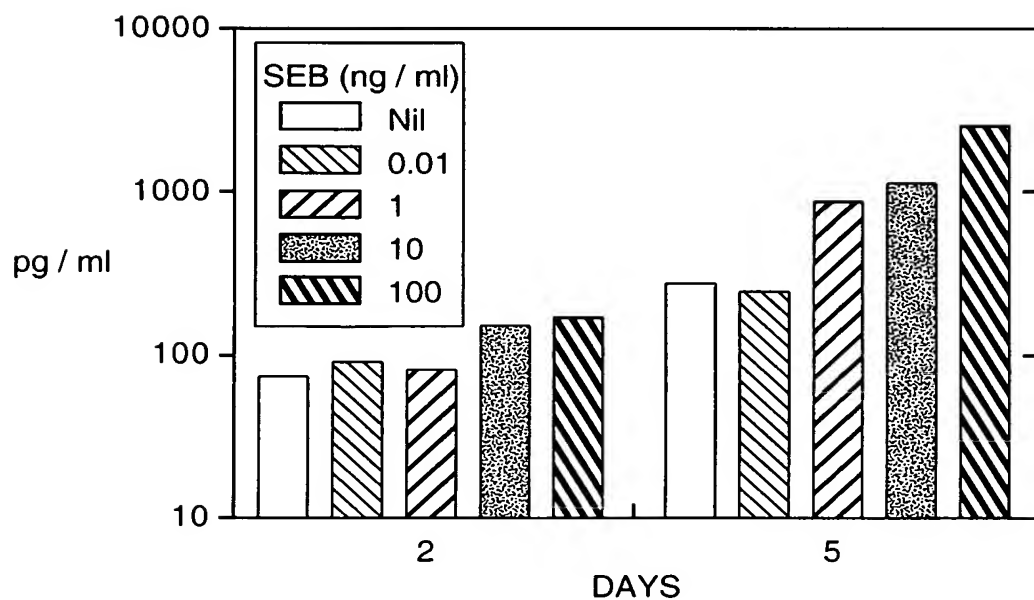
FIG. 14B

Regulatory CD4+ T cells are
CD25+ and are extremely
potent



EFFECTOR: TARGET RATIO

FIG. 14A

**Active TGF- β** **FIG. 15A****Total TGF- β** **FIG. 15B**



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Repeated stimulation of CD4+ T cells with low dose SEB
enables them to produce immunosuppressive levels of TGF- β

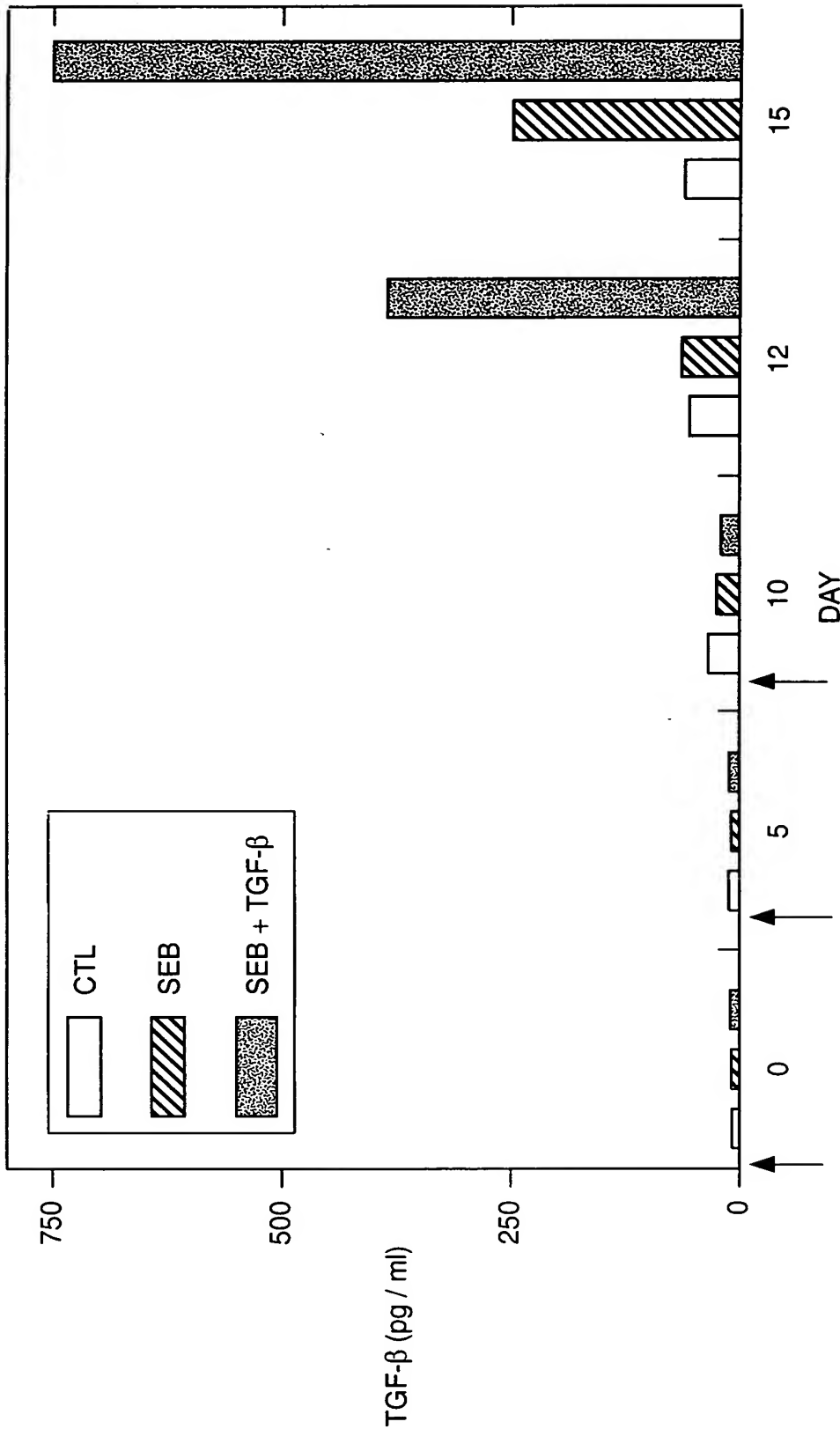
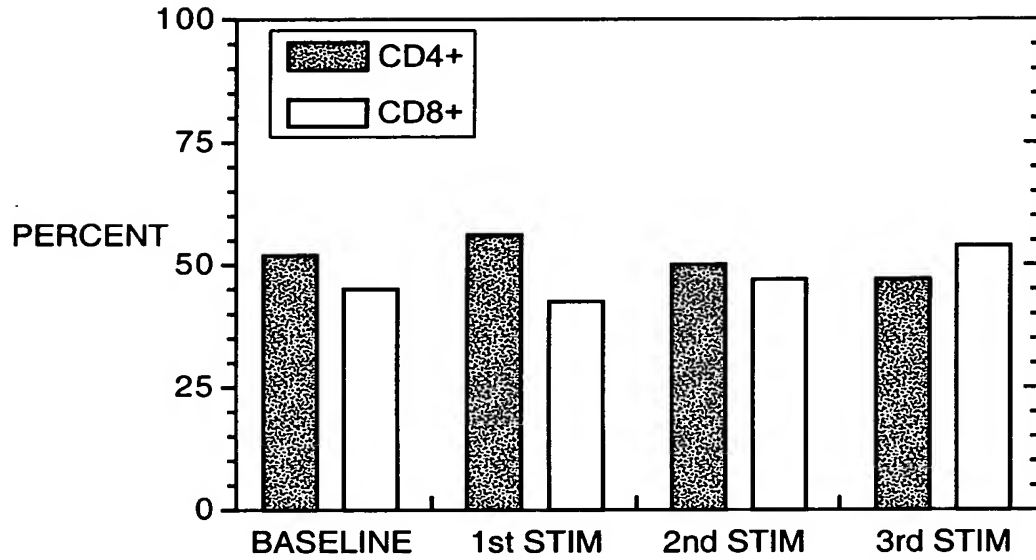


FIG. 16

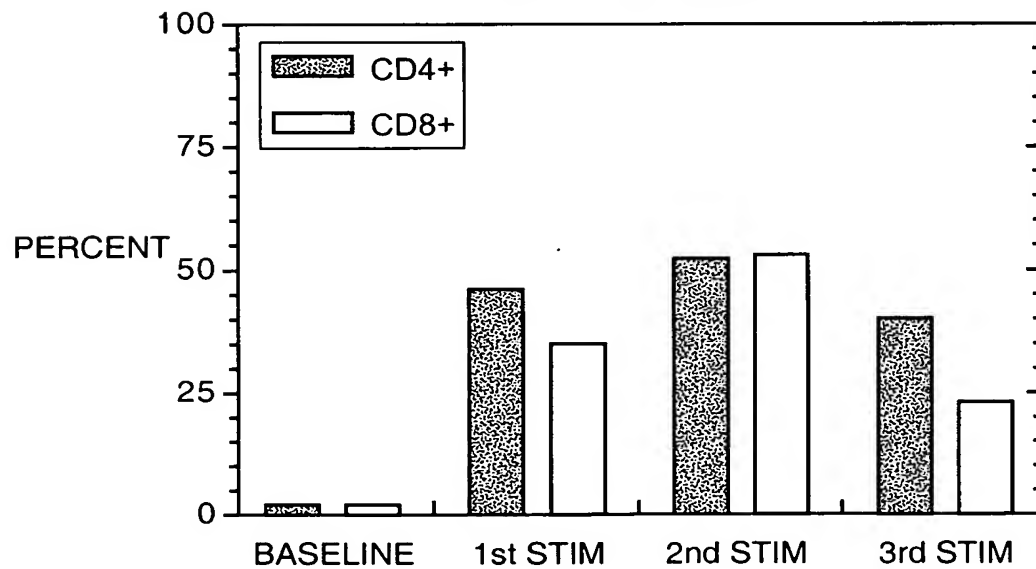


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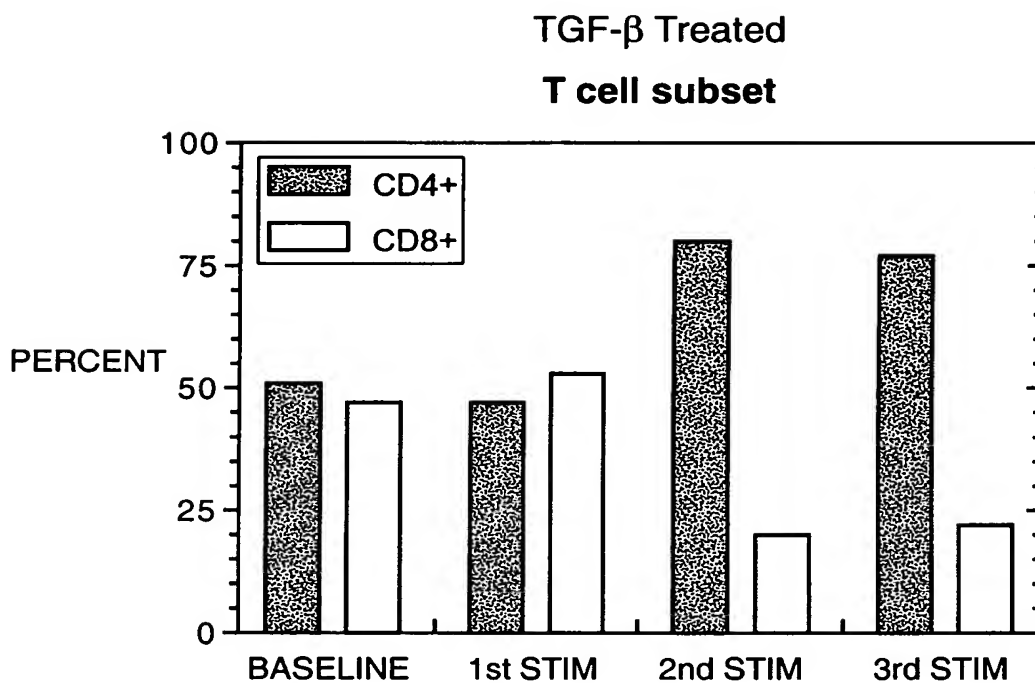
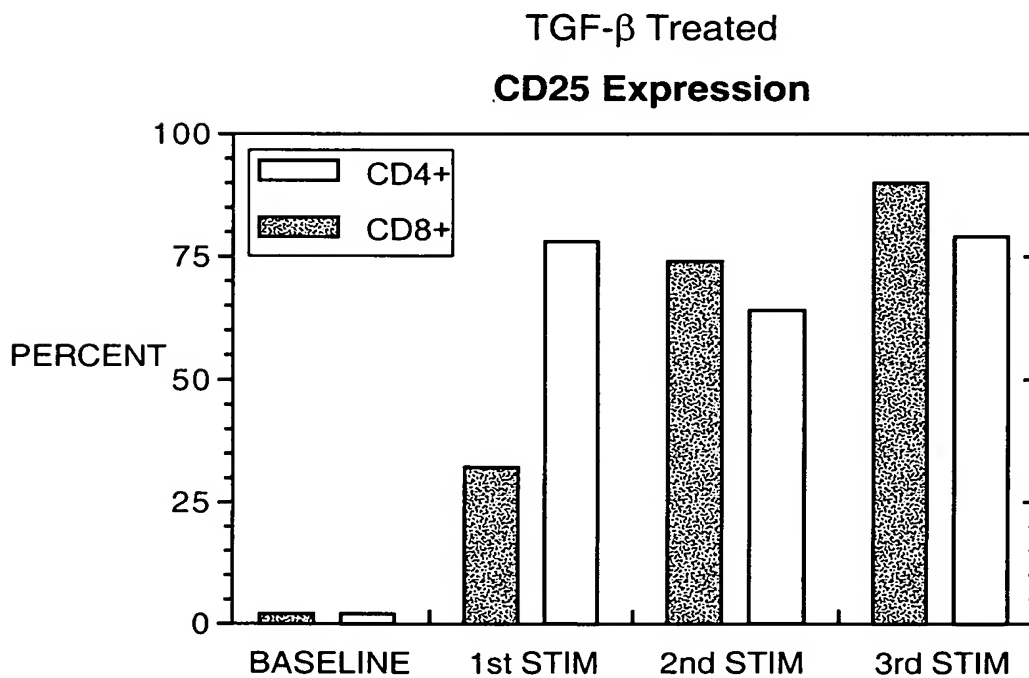
Untreated
T cell subset

**FIG._17A**

Untreated
CD25 Expression

**FIG._17B**

+

**FIG. 17C****FIG. 17D**